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VASCULAR PLANTS OF THE UINTA BASIN

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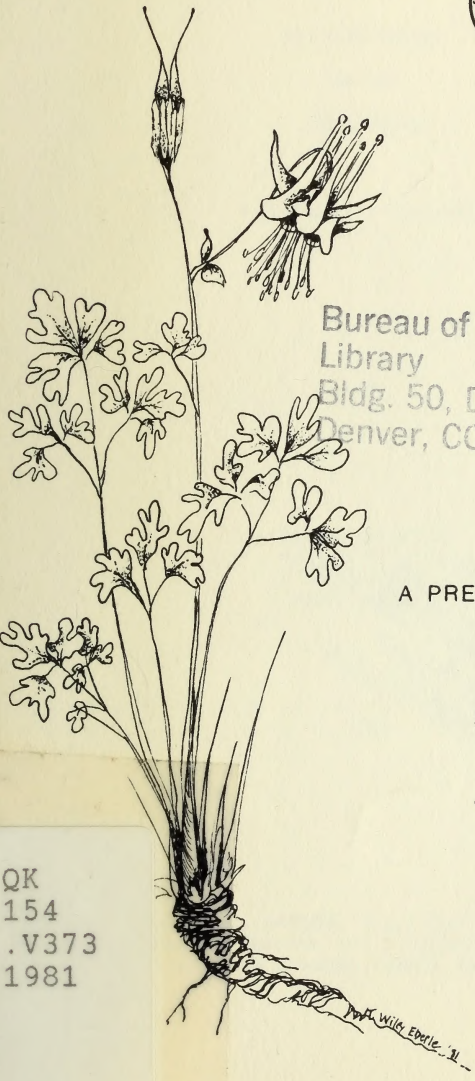

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A PRELIMINARY CHECKLIST

by

Sherel Goodrich
Elizabeth Neese
J. Scott Peterson
Larry England

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A Preliminary Checklist

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*Range Conservationist, IMF&RES, Shrub Sciences Laboratory; Botanist, Endangered Species, Inc.; Coordinator, Colorado Natural Heritage Inventory; and Botanist, USFWS, Salt Lake City Area Office.

INTRODUCTION

This checklist of indigenous and adventive plants is based primarily on collections we have made over the past seven years and on the work of Graham (1937) and Lewis (1970). Herbarium studies have added a number of taxa to the list. Among the botanists whose collections have contributed to the list are N. D. Atwood, J. D. Brotherson, H. D. Harrington, B. F. Harrison, N. H. Holmgren, P. K. Holmgren, J. M. Reveal, W. A. Weber, B. Welsh, S. L. Welsh, D. H. Wilken, and K. Wiley-Eberle.

The geographical area of study includes all of the Uinta Basin in Utah bounded by the crest of the Uinta Mountains on the north, Strawberry Valley on the west, the breaks of the Tavaputs Plateau on the south, and most of the Basin in Colorado. With the exception of Daggett County and Vermillion Creek and Yampa River drainages, the area is essentially that studied by Graham (1937). Daggett County, Utah was included as a means to encompass all of the Ashley National Forest and Vernal District of the Bureau of Land Management. The high elevations toward the head of the White and Yampa Rivers are excluded.

The arrangement of the list is alphabetical by family, genus, and species, without regard to phylogenetic order.

Appreciation is expressed to Stanley L. Welsh, Curator of the herbarium at Brigham Young University, who has been bombarded with questions relating to plants on this list, and who left the herbarium completely at our disposal for this study. Appreciation is also expressed to Dieter H. Wilken, Curator of the herbarium at Colorado State University for similar cooperation.

Most of the synonomy included is restricted to names used in relatively current manuals or checklists that include our area or deal with areas adjacent to our area such as Arnow et al. (1980), Cronquist et al. (1972), Cronquist et al. (1977), Harrington (1954), Welsh and Moore (1973), Dorn (1977), Hitchcock and Cronquist (1973), Weber and Johnston (1979), Kartesz and Kartesz (1980), and Holmgren and Reveal (1966).

The authors wish to thank the following organizations for funding and support: Bureau of Land Management - Vernal District Office; Division of Inventory Systems, and Utah State Office; U.S. Forest Service - Ashley National Forest and IMF and RES.

Acer — Aceraceae
- glabrum Torr.
- grandidentatum Nutt. in T. and G.
- negundo L.

Adoxa — Adoxaceae
- moschatellina L.

Sesuvium — Aizoaceae
- verrucosum Raf.

Alisma — Alismataceae
- geyeri Torr. = Alisma gramineum
- gramineum Lej.

Echinodorus — Alismaceae
- rostratus (Nutt.) Engelm. in A. Gray

Sagittaria — Alismaceae
- cuneata Sheld.

Amaranthus — Amaranthaceae
- albus L.
- blitoides S. Wats.
- graecizans L. misapplied to Amaranthus blitoides
- hybridus L.
- retroflexus L.

Rhus — Anacardiaceae
- radicans L. = Toxicodendron rydbergii
- trilobata Nutt.
  - var. simplicifolia (Greene) Barkley
    - trilobata

Toxicodendron — Anacardiaceae
- radicans L. var. rydbergii (Small) Erskine = Toxicodendron rydbergii
- rydbergii (Small) Greene

Angelica — Apiaceae
- ampla A. Nels.
- pinnata S. Wats.
- roseana Hend.

Berula — Apiaceae
- erecta (Huds.) Cov.

Cicuta — Apiaceae
- douglasii (DC.) Coult. and Rose misapplied to Cicuta maculata
- maculata L.

Conioselinum — Apiaceae
- scopulorum (A. Gray) Coult. and Rose

Conium — Apiaceae
- maculatum L.

Cymopterus Apiaceae
acaulis (Pursh) Raf.
bulbosus A. Nels.
duchesnensis Jones
fendleri A. Gray
hendersonii (Coult. and Rose) Cronq.
longipes S. Wats.
purpurascens (A. Gray) Jones
purpureus S. Wats.
rosei (Jones) M.E. Jones
terebinthinus (Hook.) T. and G.
var. calcareus (M.E. Jones) Cronq.

Heracleum Apiaceae
lanatum Michx. = Heracleum sphondylium ssp. montanum
sphondylium L. ssp. montanum (Schleich.) Briq.

Ligusticum Apiaceae
filicinum S. Wats.
var. filicinum
tenuifolium (S. Wats.) Mathias and Const.
porteri Coult. and Rose

Lomatium Apiaceae
dissectum (Nutt.) Mathias and Const.
grayi Coult. and Rose
juniperinum (Jones) Coult. and Rose
macrocarpum (H. and A.) Coult. and Rose
nuttallii (A. Gray) Macbr.
simplex (Nutt.) Macbr. = Lomatium triternatum
triternatum (Pursh) Coult. and Rose
ssp. platycarpum (Torr.) Cronq.

Orogenia Apiaceae
linearifolia S. Wats.

Osmorhiza Apiaceae
chilensis H. and A.
depauperata Phil.
obtusa (Coult. and Rose) Fern. = Osmorhiza depauperata
occidentalis (Nutt.) Torr.

Pastinaca Apiaceae
sativa L.

Perideridia Apiaceae
gairdneri (H. and A.) Math.

Pteryxia Apiaceae
hendersonii (Coult. and Rose) Mathias and Const. =
Cymopterus hendersonii
terebinthina (Hook.) Coult. and Rose
var. calcarea (Jones) Math. = Cymopterus terebinthinus
var. calcarea

Sium Apiaceae
suave Walt.

Amsonia Apocynaceae
jonesii Woodson

Apocynum Apocynaceae
androsaemifolium L.
cannabinum L.
sibiricum Jacq.

Asclepias Asclepiadaceae
asperula (Dcne.) Woodson
cryptoceras S. Wats.
labriformis M.E. Jones
speciosa Torr.
subverticillata (A. Gray) Vail.

Achillea Asteraceae
millefolium L.
ssp. lanulosa (Nutt.) Breitung

Agoseris Asteraceae
arizonica Greene
aurantiaca (Hook.) Greene
glauca (Pursh) Raf.
var. glauca
laciniata (D.C. Eaton) Smiley

Ambrosia Asteraceae
acanthicarpa Hook.
artemisiifolia L.
tomentosa Nutt.

Anaphalis Asteraceae
margaritacea (L.) Benth. and Hook.

Antennaria Asteraceae
alpina (L.) Gaertn.
anaphaloides Rydb.
concinna E. Nels. = Antennaria microphylla
corymbosa E. Nels.
dimorpha (Nutt.) T. and G.
formosa Greene = Antennaria microphylla
luzuloides T. and G.
media Greene
microphylla Rydb.
parvifolia Nutt.
pulcherrima (Hook.) Greene
rosea (D.C. Eaton) Greene = Antennaria microphylla
rosulata Rydb.
umbrinella Rydb.

Anthemis Asteraceae
cotula L.

Arctium Asteraceae
minus (Hill) Bernh.

Arnica Asteraceae
chamissonis Less.
cordifolia Hook.
diversifolia Greene
fulgens Pursh
latifolia Bong.
longifolia D.C. Eaton
mollis Hook.
parryi A. Gray
rydbergii Greene
sororia Greene

Artemisia Asteraceae
arbuscula Nutt.
var. nova = Artemisia nova
biennis Willd.
bigelovii A. Gray
cana Pursh
carruthii Wood in Carruth
dracunculus L.
frigida Willd.
longiloba (Osterh.) Beetle
ludoviciana Nutt.
michauxiana Bess. in Hook.
norvegica Fries
nova A. Nels.
pedatifida Nutt.
pygmaea A. Gray
scopulorum A. Gray
spiciformis Osterh.
spinescens D.C. Eaton
tridentata Nutt.
ssp. tridentata
vaseyana (Rydb.) Beetle
wyomingensis Beetle and Young

Aster Asteraceae
arenosus (Heller) Blake = Leucelene ericoides
bigelovii A. Gray = Machaeranthera bigelovii.
brachyactis Blake in Tidestr.
canescens Pursh = Machaeranthera canescens
chilensis Nees
ssp. adscendens (Lindl.) Cronq.
commutatus (T. and G.) A. Gray = Aster falcatus var. commutatus
eatoni (A. Gray) Howell
engelmannii (D.C. Eaton) A. Gray
ericoides L.
var. pansus (Blake) A.G. Jones = Aster pansus
falcatus Lindl. in Hook.
var. commutatus (T. and G.) A.G. Jones
frondosus (Nutt.) T. and G.
glaucodes Blake
hesperius A. Gray
intergrifolius Nutt.
junciformis Rydb.
occidentalis (Nutt.) T. and G.
pansus (Blake) Cronq.
parryi A. Gray

Aster Asteraceae (cont.)
pauciflorus Nutt.
perelegans A. Nels. and Macbr.
rubrotinctus Blake in Tidestr = Machaeranthera rubicaulis
venustus M.E. Jones = Machaeranthera venusta

Bahia Asteraceae
dissecta (A. Gray) Britt.
oblongifolia (A. Gray) A. Gray = Platyschkuhria integrifolia
ourolepis Blake = Platyschkuhria integrifolia

Balsamorhiza Asteraceae
hispidula W.M. Sharp = Balsamorhiza hookeri
hookeri Nutt.
hookeri Nutt. X sagittata (Pursh) Nutt.
sagittata (Pursh) Nutt.

Bidens Asteraceae
cernua L.
frondosa L.

Bolophyta Asteraceae
ligulata (M.E. Jones) W.A. Weber

Brachyactis Asteraceae
angusta (Lindl.) Britt. = Aster brachyactis
frondosa (Nutt.) A. Gray = Aster frondosa

Brickellia Asteraceae
grandiflora (Hook.) Nutt.
microphylla (Nutt.) A. Gray
oblongifolia Nutt.
scabra (A. Gray) A. Nels. in Rob. = Brickellia microphylla
watsonii Rob.

Carduus Asteraceae
nutans L.

Centaurea Asteraceae
picris Pall. = Centaurea repens
repens L.

Chaenactis Asteraceae
alpina (A. Gray) M.E. Jones
douglasii (Hook.) H. and A.
stevioides H. and A.

Chamaechaenactis Asteraceae
scaposa (Eastw.) Rydb.

Chrysopsis Asteraceae
foliosa Nutt. = Heterotheca villosa
fulcrata Greene = Heterotheca villosa
hispida (Hook.) DC. = Heterotheca villosa
villosa (Pursh) Nutt. in DC. = Heterotheca villosa

Chrysothamnus Asteraceae
depressus Nutt.

Chrysothamnus Asteraceae (cont.)
greenei (A. Gray) Greene
linifolius Greene
nauseosus (Pall.) Britt.
var. albicaulis (Nutt.) Rydb.
bigelovii (A. Gray) Hall
consimilis (Greene) Hall
gnaphaloides (Greene) Hall
graveolens (Nutt.) Piper
salicifolius (Rydb.) Hall
speciosus Hall = var. albicaulis
parryi (A. Gray) Greene
ssp. affinis (A. Nels.) L.C. Anderson
howardii (Parry) H. and C.
viscidiflorus (Hook.) Nutt.
var. lanceolatus (Nutt.) Greene
puberulus (D.C. Eaton) Jeps.
viscidiflorus

Cirsium Asteraceae
arvense (L.) Scop.
calcareum (M.E. Jones) Woot. and Standl.
coloradoense (Rydb.) Cockerell in Daniels
drummondii Torr. and A. Gray misapplied to Cirsium scariosum
eatonii (A. Gray) Robins.
foliosum (Hook.) DC. misapplied to Cirsium scariosum
lanceolatum (L.) Hill misapplied to Cirsium vulgare
pulchellum (Greene) Woot. and Standl.
scariosum Nutt.
spathulifolium Rydb.
undulatum (Nutt.) Spreng.
vulgare (Savi) Tenore

Conyza Asteraceae
canadensis (L.) Cronq.

Crepis Asteraceae
acuminata Nutt.
atrabarba Heller
intermedia A. Gray
modocensis Greene
occidentalis Nutt.
runcinata (James) T. and G.
ssp. glauca (Nutt.) Babcock and Stebbins
runcinata

Dugaldia Asteraceae
hoopesii (A. Gray) Rydb. = Helenium hoopesii

Enceliopsis Asteraceae
nudicaulis (A. Gray) A. Nels.
nutans (Eastw.) A. Nels.

Erigeron Asteraceae
acris L.
var. debilis A. Gray
aphanactis (A. Gray) Greene
caespitosus Nutt.

Erigeron Asteraceae (cont.)
compositus Pursh
concinnus (H. and A.) T. and G. = Erigeron pumilus ssp. concinnoides
coulteri Porter in Port. and Coult.
divergens T. and G.
eatonii A. Gray
elatior (A. Gray) Greene
engelmannii A. Nels.
flagellaris A. Gray
formosissimus Greene
glabellus Nutt.
var. glabellus
leiomerus A. Gray
lonchophyllus Hook.
melanocephalus (A. Nels.) A. Nels.
nematophyllus Rydb.
ochroleucus Nutt.
peregrinus (Pursh) Greene
pulcherrimus Heller
pumilus Nutt.
ssp. concinnoides Cronq.
intermedius Cronq.
simplex Greene
speciosus (Lindl.) DC.
subtrinervis Rydb.
superbus Greene in Rydb.
uintahensis Cronq.
ursinus D.C. Eaton
vetensis Rydb.

Eupatorium Asteraceae
maculatum L.

Franseria Asteraceae
acanthicarpa (Hook.) Cov. = Ambrosia acanthicarpa
discolor Nutt. = Ambrosia tomentosa

Gaillardia Asteraceae
aristata Pursh
flava Rydb.

Glyptopleura Asteraceae
marginata D.C. Eaton in S. Wats.

Gnaphalium Asteraceae
chilense Spreng
palustre Nutt.
uliginosum L.

Grindelia Asteraceae
arizonica A. Gray
var. stenophylla Steyermark
fastigiata Greene
squarrosa (Pursh) Dunal
var. quasiperennis Lunell
serrulata (Rydb.) Steyermark
squarrosa

Gutierrezia Asteraceae
sarothrae (Pursh) Britt. and Rusby = Xanthocephalum sarothrae

Haplopappus Asteraceae
acaulis (Nutt.) A. Gray
armerioides (Nutt.) A. Gray
croceus A. Gray
macronema A. Gray
nuttallii T. and G. = Machaeranthera grindelioides
parryi A. Gray
pygmaeus (T. and G.) A. Gray
racemosus (Nutt.) Torr. in Sitgreaves
uniflorus (Hook.) T. and G.

Helenium Asteraceae
autumnale L.
var. montanum (Nutt.) Fern.
hoopesii A. Gray

Helianthella Asteraceae
microcephala (A. Gray) A. Gray
quinquenervis (Hook.) A. Gray
uniflora (Nutt.) T. and G.

Helianthus Asteraceae
annus L.
nuttallii T. and G.
petiolaris Nutt.

Heliomeris Asteraceae
multiflora Nutt.

Heterotheca Asteraceae
fulcrata (Greene) Shinners
horrida (Rydb.) Harms
villosa (Pursh) Shinners
viscida (A. Gray) Harms

Hieracium Asteraceae
albiflorum Hook
cynoglossoides Arv.-Touv.
gracile Hook.

Hymenopappus Asteraceae
filifolius Hook.
var. alpestris (Maguire) Shinners
cinereus (Rydb.) I.M. Johnst.
eriopodus (A. Nels.) B.L. Turner
luteus (Nutt.) B.L. Turner
megacephalus B.L. Turner

Hymenoxys Asteraceae
acaulis (Pusch) Parker
var. caespitosa (A. Nels.) Parker
grandiflora (T. and G.) Parker
richardsonii (Hook.) Cockerell
torreyana (Nutt.) Parker

Iva Asteraceae
axillaris Pursh
xanthifolia Nutt.

Kuhnia Asteraceae
chlorolepis Woot. and Standl.
rosemarinifolia Vent. = Kuhnia chlorolepis

Lactuca Asteraceae
oblongifolia Nutt. = Lactuca tatarica
ludoviciana (Nutt.) Riddell
pulchella (Pursh) DC. = Lactuca tatarica ssp. pulchella
serriola L.
tatarica (L.) Mey.
ssp. pulchella (Pursh) Stebbins

Leucelene Asteraceae
ericoides (Torr.) Greene

Lygodesmia Asteraceae
exigua A. Gray = Prenanthella exigua
grandiflora (Nutt.) T. and G.

Machaeranthera Asteraceae
bigelovii (A. Gray) Greene
canescens (Pursh) A. Gray
grindelioides (Nutt.) Shinners
linearis Greene
rubicaulis Rydb.
venusta (M.E. Jones) Cronq. and Keck

Madia Asteraceae
glomerata Hook.

Malacothrix Asteraceae
sonchoides (Nutt.) T. and G.
torreyi A. Gray

Microseris Asteraceae
nutans (Geyer) Schultz Bip.

Oxytenia Asteraceae
acerosa Nutt.

Parthenium Asteraceae
ligulatum (M.E. Jones) Barneby = Bolophyta ligulata

Petradoria Asteraceae
pumila (Nutt.) Greene

Platyschkuhria Asteraceae
integrifolia (A. Gray) Rydb.

Prenanthella Asteraceae
exigua (A. Gray) Rydb.

Psilostrophe Asteraceae
bakeri Greene

Pyrrocoma Asteraceae
crocea Greene = Haplopappus croceus

Rudbeckia Asteraceae
hirta L.
laciniata L.
var. ampla (A. Nels.) Cronq.
occidentalis Nutt.

Senecio Asteraceae
ambrosioides Rydb. = Senecio eremophilus
atratus Greene
canus Hook.
crassulus A. Gray
crocatus Rydb.
dimorphophyllus Greene var. dimorphophyllus
eremophilus Richards. in Franklin
var. kingii (Rydb.) Greenman
fremontii T. and G.
hydrophilus Nutt.
integerrimus Nutt.
var. exaltatus (Nutt.) Cronq.
millelobatus Rydb. misapplied to Senecio multilobutus
multicapitatus Greenman
multilobatus T. and G. in A. Gray
pauperculus Michx.
serra Hook.
spartioides T. and G.
sphaerocephalus Greene
strephanthifolius Greene
triangularis Hook.
uintahensis (A. Nels.) Greenman = Senecio multilobatus
werneriaefolius A. Gray

Solidago Asteraceae
canadensis L.
decumbens Greene = Solidago spathulata
gigantea Ait.
var. serotina (Kuntze) Cronq.
lepida DC. = Solidago canadensis
missouriensis Nutt.
multiradiata Ait.
nana Nutt.
occidentalis (Nutt.) T. and G.
parryi (A. Gray) Greene
petradoria Blake in Tides. = Petradoria pumila
sparsiflora A. Gray
spatulata DC.
var. nana (A. Gray) Cronq.

Sonchus Asteraceae
arvensis L.
asper (L.) Hill
oleraceus L.
uliginosus Bieb.

Stephanomeria Asteraceae
exigua Nutt.

Stephanomeria Asteraceae (cont.)
runcinata Nutt.
tenuifolia (Torr.) Hall

Taraxacum Asteraceae
erythrospermum Andrz. in Besser = Taraxacum laevigatum
laevigatum (Willd.) DC.
lyratum (Ledeb.) DC.
officinale Weber in Wiggers

Tetradymia Asteraceae
canescens DC.
glabrata A. Gray
nuttallii T. and G.
spinosa H. and A.

Thelesperma Asteraceae
subnudum A. Gray

Townsendia Asteraceae
hookeri Beaman
incana Nutt.
leptotes (A. Gray) Osterh.
mensana M.E. Jones
minima Eastw.
montana M.E. Jones
strigosa Nutt.

Tragopogon Asteraceae
dubius Scop.
porrifolius L.

Verbesina Asteraceae
encelioides (Cav.) Benth. in A. Gray
var. exauriculata Robins and Greenman

Viguiera Asteraceae
multiflora (Nutt.) Blake = Heliomeris multiflora

Wyethia Asteraceae
amplexicaulis (Nutt.) Nutt.
arizonica A. Gray
scabra Hook.

Xanthium Asteraceae
italicum Moretti = Xanthium strumarium
strumarium L.

Xanthocephalum Asteraceae
sarothrae (Pursh) Shinners
var. pomariense (Welsh) Welsh
sarothrae

Xylorhiza Asteraceae
venusta (M.E. Jones) Heller = Machaeranthera venusta

Berberis Berberaceae
fremontii Torr.

Berberis Berberaceae (cont.)
repens Lindl. = Mahonia repens

Mahonia Berberaceae
repens (Lindl.) G. Don

Alnus Betulaceae
incana (L.) Moench
tenuifolia Nutt. = Alnus incana

Betula Betulaceae
glandulosa Michx.
occidentalis Hook.

Asperugo Boraginaceae
procumbens L.

Coldenia Boraginaceae
nuttallii Hook. = Tiquilia nuttallii

Cryptantha Boraginaceae
affinis (A. Gray) Greene
ambigua (A. Gray) Greene
bakeri (Greene) Payson
barnebyi I.M. Johnst.
breviflora (Osterh.) Payson
caespitosa (A. Nels.) Payson
circumscissa (H. and A.) I.M. Johnst.
echinella Greene
fendleri (A. Gray) Greene
flava (A. Nels.) Payson
flavoculata (A. Nels.) Payson
gracilis Osterh.
grahamii I.M. Johnst.
humilis (A. Gray) Payson
kelseyana Greene
mensana (M.E. Jones) Payson
minima Rydb.
nana (Eastw.) Payson = Cryptantha humilis
paradoxa (A. Nels.) Payson
pattersonii (A. Gray) Greene
pterocarya (Torr.) Greene
rollinsii I.M. Johnst.
sericea (A. Gray) Payson
stricta (Osterh.) Payson
watsoni (A. Gray) Greene

Cynoglossum Boraginaceae
officinale L.

Eritrichium Boraginaceae
elongatum (Rydb.) Wight. = Eritrichium nanum var. elongatum
nanum (Vill.) Schrad.
var. elongatum (Rydb.) Cronq.

Hackelia Boraginaceae
floribunda (Lehm.) I.M. Johnst.
gracilenta (Eastw.) I.M. Johnst.
jessica (McGregor) Brand = Hackelia micrantha

Hackelia Boraginaceae (cont.)
leptophylla (Rydb.) I.M. Johnst.
micrantha (Eastw.) Gentry
patens (Nutt.) I.M. Johnst.

Heliotropium Boraginaceae
curassavicum L.
var. obovatum A. DC.
spathulatum Rydb. = Heliotropium curassavicum

Lappula Boraginaceae
echinata Gibib. = Lappula squarrosa
occidentalis (S. Wats.) Greene = Lappula redowskii
redowskii (Hornem.) Greene
squarrosa (Retz.) Dumort.

Lithospermum Boraginaceae
incisum Lehm.
ruderale Dougl. in Lehm.

Mertensia Boraginaceae
arizonica Greene
var. grahamii L.O. Williams
leonardii (Rydb.) I.M. Johnst.
bakeri Greene = Mertensia viridis
brevistyla S. Wats.
ciliata (James) G. Don
fusiformis Greene
oblongifolia (Nutt.) G. Don
viridis A. Nels.
var. cana (Rydb.) L.O. Williams
dilatata L.O. Williams
viridis

Plagiobothrys Boraginaceae
cognatus = Plagiobothrys scouleri
scopulorum Greene = Plagiobothrys scouleri
scouleri (H. and A.) I.M. Johnst.

Tiquilia Boraginaceae
nuttallii (Hook.) Richardson

Alyssum Brassicaceae
alyssoides (L.) L.
desertorum Stapf

Arabis Brassicaceae
confinis S. Wats.
demissa Greene
var. languida Rollins
russeola Rollins
divaricarpa A. Nels. = Arabis confinis
drummondii A. Gray
fendleri (S. Wats.) Greene
var. spatifolia (Rydb.) Rollins
fernaldiana Rollins
glaber (L.) Bernh.
var. glaber
hirsuta (L.) Scop.

Arabis Brassicaceae (cont.)
var. pycnocarpa (Hopkins) Rollins
holboellii Hornem.
var. pendulocarpa (A. Nels.) Rollins
pinetorum (Tides.) Rollins
retrofracta (Grah.) Rydb. = var. secunda
secunda (Howell) Jeps.
lemmonii S. Wats.
lignifera A. Nels.
lyallii S. Wats.
microphylla Nutt. in T. and G.
var. macouni (S. Wats.) Rollins
nuttallii Robinson in A. Gray
pendulina Greene
perennans S. Wats.
pulchra M.E. Jones
var. pallens M.E. Jones
selbyi Rydb.
sparsiflora Nutt. in T. and G.
var. subvillosa (S. Wats.) Rollins

Barbarea Brassicaceae
orthoceras Ledeb.

Brassica Brassicaceae
arvensis Rabenh. = Brassica kaber
campestris L.
kaber (DC.) L.C. Wheeler
nigra (L.) Koch in Roehl.

Camelina Brassicaceae
microcarpa Andrz. in DC.

Capsella Brassicaceae
bursa-pastoris (L.) Medic.

Cardamine Brassicaceae
cordifolia A. Gray
pensylvanica Muhl. in Willd.

Cardaria Brassicaceae
draba (L.) Desv.
pubescens (Mey.) Jarmalenko

Caulanthus Brassicaceae
crassicaulis (Torr.) S. Wats.

Chorispora Brassicaceae
tenella (Pall.) DC.

Conringia Brassicaceae
orientalis (L.) Dumort

Descurainia Brassicaceae
californica (A. Gray) O.E. Schulz
pinnata (Walter) Britt.
var. halictorum (Cockerell) Detl. = var. osmiarum
intermedia (Rydb.) C.L. Hitchc.

Descurainia — Brassicaceae (cont.)
- nelsonii (Rydb.) Peck
- osmiarum (Cockerell) Shinners
- pinnata
- richardsonii (Sweet) O.E. Schulz.
  - var. sonnei (Robinson) C.L. Hitchc.
  - viscosa (Rydb.) Peck
- sophia (L.) Webb in Prantl

Draba — Brassicaceae
- aurea M. Vahl in Hornem
- cana Rydb.
- crassifolia R. Graham
- cuneifolia Nutt. in T. and G.
- densifolia Nutt. in T. and G.
  - var. daviesiae (C.L. Hitchc.) Welsh and Reveal
  - densifolia
- fladnizensis Wulfen in Jacq.
- juniperina Dorn = Draba oligosperma var. pectinipila
- lanceolata Royle misapplied to Draba cana
- lonchocarpa Rydb.
  - var. exigua O.E. Shulz
  - lonchocarpa
- nemorosa L.
- nivalis Lilj. = Draba lonchocarpa
- oligosperma Hook.
  - var. oligosperma
  - pectinipila (Rollins) C.L. Hitchc.
- rectifructa C.L. Hitchc.
- reptans (Lam.) Fern.
- sobolifera Rydb.
- spectabilis Greene
- stenoloba Ledeb.
  - var. nana (O.E. Schulz) C.L. Hitchc.
- ventosa A. Gray

Erysimum — Brassicaceae
- asperum (Nutt.) DC.
- capitatum (Dougl.) Greene = Erysimum asperum
- cheiranthoides L.
- inconspicuum (S. Wats.) MacMillan
- wheeleri Roth. = Erysimum asperum

Glaucocarpum — Brassicaceae
- suffrutescens (Rollins) Rollins

Halimolobos — Brassicaceae
- virgata (Nutt.) O.E. Schulz

Hesperis — Brassicaceae
- matronalis L.

Hutchinsia — Brassicaceae
- procumbens (L.) Desv.

Lepidium — Brassicaceae
- barnebyanum Reveal
- campestre (L.) R. Br. in Ait.

Lepidium Brassicaceae (cont.)
densiflorum Schrad.
var. densiflorum
ramosum (A. Nels.) Thell.
integrifolium Nutt. in T. and G.
lasiocarpum Nutt. in T. and G.
var. georginum (Rydb.) C.L. Hitchc.
latifolium L.
montanum Nutt. in T. and G.
var. alyssoides (A. Gray) M.E. Jones = var. jonesii
jonesii (Rydb.) C.L. Hitchc.
montanum
spathulatum (Robinson) C.L. Hitchc.
perfoliatum L.
virginicum L.

Lesquerella Brassicaceae
alpina (Nutt.) S. Wats
var. alpina
condensata (A. Nels.) C.L. Hitchc.
parvula (Greene) Welsh and Reveal
condensata A. Nels. = Lesquerella alpina var. condensata
hemiphysaria Maguire
var. lucens Welsh and Reveal
intermedia (S. Wats.) Heller
ludoviciana (Nutt.) S. Wats.
montana (A. Gray) S. Wats.
rectipes Woot. and Standl.
subumbellata Rollins
utahensis Rydb.

Malcolmia Brassicaceae
africana (L.) R. Br. in Ait.

Nasturtium Brassicaceae
officinale R. Br. in Ait.

Parrya Brassicaceae
rydbergii Botsch.

Physaria Brassicaceae
acutifolia Rydb.
floribunda Rydb.
grahamii Morton in Graham

Rorippa
alpina (S. Wats.) Rydb. = Rorippa curvipes var. alpina
curvipes Greene
var. alpina (S. Wats.) Stuckey
curvipes
hispida (Desv.) Britt. = Rorippa islandica var. hispida
islandica (Oeder) Borbas
var. hispida (Desv.) Butters and Abbe
nasturtium-aquaticum (L.) Schinz and Thell. =
Nasturtium officinale
Sphaerocarpa (A. Gray) Britt.
tenerrima Greene
teres (Michx.) Stuckey

Schoencrambe Brassicaceae
linifolia (Nutt.) Greene

Sisymbrium Brassicaceae
altissimum L.
elegans (M.E. Jones) Payson = Thelypodiopsis elegans
linifolium (Nutt.) Nutt. in T. and G. = Schoencrambe linifolium
loeselii L.

Smelowskia Brassicaceae
calycina Meyer in Ledeb.

Stanleya Brassicaceae
integrifolia James in Torr.
pinnata (Pursh) Britt.
var. integrifolia (James) Rollins = Stanleya integrifolia pinnata
viridiflora Nutt. in T. and G.

Streptanthella Brassicaceae
longirostris (S. Wats.) Rydb.

Streptanthus Brassicaceae
cordatus Nutt. in T. and G.

Thelypodiopsis Brassicaceae
argillacea Welsh and Atwood
elegans (M.E. Jones) Rydb.

Thelypodium Brassicaceae
integrifolium (Nutt.) Endl.
var. gracilipes (Robinson) Al-Shebaz
integrifolium
laxifolium Al-Shebaz = Thelypodium laxiflorum
laxiflorum Al-Shebaz
lilacinum Greene = Thelypodium integrifolium var. integrifolium
paniculatum A. Nels. = Thelypodium sagittatum
rhomboideum Greene = Thelypodium integrifolium
sagittatum (Nutt.) Endl.

Thlaspi Brassicaceae
alpestre L. misapplied to Thlaspi montanum L.
arvense L.
fendleri A. Gray = Thlaspi montanum L.
montanum L.

Cactaceae
simpsonii Engelm. = Pediocactus simpsonii

Echinocereus Cactaceae
triglochidiatus Engelm.
var. melanacanthus (Engelm.) L. Benson

Opuntia Cactaceae
erinacea
var. utahensis (Engelm.) L. Benson
fragilis (Nutt.) Haw.
polyacantha Haw.

Opuntia Cactaceae (cont.)
var. polyacantha
trichophora (Engelm. and Bigelow) Coult.

Pediocactus Cactaceae
simpsonii (Engelm.) Britt. and Rose in Britt. and Brown

Sclerocactus Cactaceae
glaucus (K. Schum.) L. Benson

Callitriche Callitrichaceae
hermaphroditica L.
heterophylla Pursh in Darby
palustris L.
verna L. = Callitriche palustris

Campanula Campanulaceae
rapunculoides L.
rotundifolia L.
uniflora L.

Cleome Capparidaceae
lutea Hook.
serrulata Pursh

Cleomella Capparidaceae
palmerana M.E. Jones

Polanisia Capparidaceae
dodecandra (L.) DC.
ssp. dodecandra var. trachysperma (T. and G.) Iltis
trachysperma T. and G. = Polanisia dodecandra ssp. dodecandra var. trachysperma

Linnaea Caprifoliaceae
borealis L.

Lonicera Caprifoliaceae
involucrata (Richards.) Banks in Spreng.
utahensis S. Wats.

Sambucus Caprifoliaceae
cerulea Raf. (also spelled caerulea and coerulea)
melanocarpa A. Gray = Sambucus racemosa
pubens Michx. = Sambucus racemosa
racemosa L.
ssp. pubens (Michx.) House
var. melanocarpa (A. Gray) McMinn
microbotrys (Rydb.) Kearney and Peebles

Symphoricarpos Caprifoliaceae
longiflorus A. Gray
occidentalis Hook.
oreophilus A. Gray var. utahensis (Rydb.) A.Nels.
utahensis Rydb. = Symphoricarpos oreophilus var. utahensis
vaccinioides Rydb. = Symphoricarpos oreophilus var. utahensis

Arenaria Caryophyllaceae
congesta Nutt. in T. and G.
eastwoodiae Rydb.
fendleri A. Gray
hookeri Nutt.
kingii (S. Wats.) M.E. Jones
var. uintahensis (A. Nels.) Maguire
lateriflora L.
obtusiloba (Rydb.) Fern.
rossii R. Br. in Richards.
var. apetala Maguire
rubella (Wahl.) Smith
uintahensis A. Nels. = Arenaria kingii var. uintahensis

Cerastium Caryophyllaceae
arvense L.
beeringianum Cham. and Schlect.
brachypodum (Engelm.) Robinson in Britt. = Cerastium nutans
fontanum Baumg.
nutans Raf.
vulgatum L. = Cerastium fontanum

Lychnis Caryophyllaceae
apetala L.
drummondii (Hook.) S. Wats.
kingii S. Wats.

Minuartia Caryophyllaceae
austromontana S.J. Wolf and Packer = Arenaria rossii var. apetala

Paronychia Caryophyllaceae
pulvinata A. Gray
sessiliflora Nutt.

Sagina Caryophyllaceae
saginoides (L.) Britt.

Saponaria Caryophyllaceae
officinalis L.
vaccaria L. = Vaccaria pyramidata

Silene Caryophyllaceae
acaulis L.
antirrhina L.
menziesii Hook.

Spergularia Caryophyllaceae
marina (L.) Griseb.
rubra (L.) Presl

Pseudostellaria Caryophyllaceae
jamesiana (Torr.) W.A. Weber = Stellaria jamesiana

Stellaria Caryophyllaceae
borealis Bigel. = Stellaria calycantha
calycantha (Ledeb.) Bong.
crispa C. and S.

Stellaria Caryophyllaceae (cont.)
jamesiana Torr.
longifolia Muhl. in Willd.
longipes Goldie
umbellata Turcz. in Kar. and Kir.

Vaccaria Caryophyllaceae
pyramidata Medic.

Forsellesia Celastraceae
meionandra Heller

Glossopetalon
meionandra Koehne = Forsellesia meionandra

Pachistima (also spelled Pachystima) Celastraceae
myrsinites (Pursh) Raf.

Ceratophyllum Ceratophyllaceae
demersum L.

Atriplex Chenopodiaceae
argentea Nutt.
canescens (Pursh) Nutt.
confertifolia (Torr. and Frem.) S. Wats.
corrugata S. Wats.
cuneata A. Nels.
dioica (Nutt.) MacBride
gardneri (Moq.) Standley
heterosperma Bunge
hortensis L.
nuttallii S. Wats.
var. cuneata (A. Nels.) H. and C. = Atriplex cuneata
gardneri (Moq.) H. and C. = Atriplex gardneri
tridentata (Kuntze) H. and C. = Atriplex tridentata
patula L.
powellii S. Wats.
rosea L.
saccaria S. Wats.
tenuissima A. Nels.
triangularis = Atriplex patula
tridentata Kuntze
truncata (Torr.) A. Gray
wolfii S. Wats.

Bassia Chenopodiaceae
hyssopifolia (Pall.) Kuntze

Ceratoides Chenopodiaceae
lanata (Pursh) J.T. Howell

Chenopodium Chenopodiaceae
acerfolium Andrz.
album L.
atrovirens Rydb. = Chenopodium fremontii
berlandieri Moq. = Chenopodium album
capitatum (L.) Asch. misapplied to Chenopodium chenopodioides
chenopodioides (L.) Aellen

Chenopodium Chenopodiaceae (cont.)
dessicatum A. Nels.
fremontii S. Wats.
gigantospermum Aellen = Chenopodium hybridum
glaucum L.
hians S. Wats.
humile Hook. = Chenopodium rubrum
hybridum L.
incanum (S. Wats.) Heller = Chenopodium fremontii
leptophyllum Nutt. in S. Wats.
overi Aellen = Chenopodium capitatum
pratericola Rybd.
rubrum L.
subglaber (S. Wats.) A. Nels. = Chenopodium leptophyllum

Corispermum Chenopodiaceae
hyssopifolium L.
nitidum Kitaibel in Schultes = Corispermum hyssopifolium

Echinopsilon Chenopodiaceae
hyssopifolium (Pall.) Moq. = Bassia hyssopifolia

Eurotia Chenopodiaceae
lanata (Pursh) Moq. = Ceratoides lanata

Grayia Chenopodiaceae
brandegei A. Gray
spinosa (Hook.) Moq. in DC.

Halogeton Chenopodiaceae
glomeratus (Bieb.) Meyer in Ledeb.

Kochia Chenopodiaceae
americana S. Wats.
iranica Bornm.
scoparia (L.) Schrad.

Monolepis Chenopodiaceae
nuttalliana (Schult.) Greene
pusilla Torr.

Salicornia Chenopodiaceae
rubra A. Nels.

Salsola Chenopodiaceae
iberica Sennen & Pau
kali L. misapplied to Salsola iberica

Sarcobatus Chenopodiaceae
vermiculatus (Hook.) Torr. in Emory

Suaeda Chenopodiaceae
calceoliformis (Hook.) Moq.
depressa (Pursh) S. Wats. = Suaeda calceoliformis
fruticosa (L.) Forsk misapplied to Suaeda torreyana
fruticosa (S. Wats.) = Suaeda torreyana
intermedia S. Wats. = Suaeda torreyana
nigra (Raf.) Macbr. = Suaeda torreyana

Suaeda — Chenopodiaceae (cont.)
occidentalis S. Wats.
torreyana S. Wats.

Zuckia — Chenopodiaceae
arizonica Standl.

Convolvulus — Convolvulaceae
arvensis L.

Cornus — Cornaceae
stolonifera Michx.

Sedum — Crassulaceae
lanceolatum Torr.
rhodanthum A. Gray
stenopetalum Pursh misapplied to Sedum lanceolatum

Echinocystis — Cucurbitaceae
lobata (Michx.) T. and G.

Juniperus — Cupressaceae
communis L.
osteosperma (Torr.) Little
scopulorum Sarg.
utahensis (Engelm.) Lemmon = Juniperus osteosperma

Cuscuta — Cuscutaceae (Convolvulaceae)
approximate Bab.
cuspidata Engelm.

Carex — Cyperaceae
ablata Bailey = Carex luzulina
albonigra Mack. in Rydb.
angustior Mack. in Rydb. = Carex muricata
aquatilis Wahl.
atherodes Spreng.
athrostachya Olney
atrata L.
atrosquama Mack.
aurea Nutt.
bella Bailey
bigelovii Torr. in Schwein
bipartita All.
brevipes W. Boott = Carex rossii
breweri F. Boott
brunnescens (Pers.) Poir. in Lam.
buxbaumii Wahl.
canescens L.
capillaris L.
capitata L.
chalciolepis Holm = Carex atrata
disperma Dewey
douglasii F. Boott
drummondiana Dewey = Carex rupestris
ebenea Rydb.
egglestonii Mack.
eleocharis Bailey = Carex stenophylla
elynoides Holm

emoryi Dewey in Torr.
engelmanii Bailey = Carex breweri
festivella Mack. = Carex microptera
filifolia Nutt.
foenea Svenson misapplied to Carex siccata
foetida All.
geophila Mack.
geyeri F. Boott
hassei L.H. Bailey = Carex aurea
haydeniana Olney
hepburnii F. Boott in Hook. = Carex nardina
heteroneurea W. Boott = Carex atrata
hoodii F. Boott in Hook.
illota L.H. Bailey
interior L.H. Bailey
kelloggii W. Boott in S. Wats. = Carex lenticularis
lanuginosa Michx.
lasiocarpa Ehrh.
lenticularis Michx.
leporinella Mack.
leptalea Wahl.
limosa L.
luzulina Olney
media R. Br. in Richards. = Carex norvegica
microglochin Wahl.
microptera Mack.
misandra R. Br.
muricata L.
nardina Fries
nebrascensis Dewey
nelsonii Mack. in Rydb.
nigricans Meyer
norvegica Retz.
nova L.H. Bailey
obtusata Lilj.
occidentalis L.H. Bailey
oederi Retz.
pachystachya Cham.
paupercula Michx.
paysonis Clokey
pelocarpa F.J. Herm. = Carex nova
petasata Dewey
phaeocephala Piper
physocarpa Presl = Carex saxatilis
praeceptorum Mack.
praegracilis Boott
praticola Rydb.
pseudoscirpoidea Rydb. = Carex scirpoidea
  var. pseudoscirpoidea
pyrenaica Wahlenb.
raynoldsii Dewey
rossii Boott in Hook.
rostrata Stokes ex With.
rupestris All.
saxatilis L.
scirpoidea Michx.
  var. pseudoscirpoidea (Rydb.) Cronq.

Carex Cyperaceae (cont.)
scopulorum Holm
siccata Dewey
simulata Mack.
stenophylla Wahl.
straminiformis Bailey
subfusca Boott in S. Wats.
subnigricans Stacey
tolmiei Boott misapplied to Carex paysonis
vallicola Dewey
vernacula L.H. Bailey = Carex foetida
vesicaria L.
viridula Michx. = Carex oederi

Eleocharis Cyperaceae
acicularis (L.) R. and S.
coloradensis (Britt.) Gilly = Eleocharis parvula
macrostachya Britt. in Small = Eleocharis palustris
ovata (Roth) R. and S.
palustris (L.) R. and S.
parishii Britt.
parvula (R. and S.) Link
pauciflora (Lightf.) Link
rostellata (Torr.) Torr.

Eriophorum Cyperaceae
angustifolium Honck. = Eriophorum polystachion
polystachion L.
scheuchzeri Hoppe

Kobresia Cyperaceae
bellardii (All.) Degland in Loisel
myosuroides (Vill.) Fiori and Paoli
sibirica Turcz.
simpliciuscula (Wahl). Mack.

Scirpus Cyperaceae
acutus Muhl.
americanus Pers.
cespitosus L.
maritimus L.
microcarpus Presl
nevadensis S. Wats.
olney Gray = Scirpus americanus
pallidus (Britt.) Fern.
paludosus A. Nels. = Scirpus maritimus
pungens Vahl
rubrotinctus Fern. = Scirpus microcarpus
validus Vahl
lacustris L. ssp. validus (Vahl) Koyama = Scirpus validus

Elaeagnus Elaeganaceae
angustifolia L.
commutata Bernh.

Shepherdia Elaeganaceae
argentea (Pursh) Nutt.
canadensis (L.) Nutt.

Ephedra Ephedraceae
nevadensis S. Wats.
torreyana S. Wats.
viridis Coville

Equisetum Equisetaceae
arvense L.
hyemale L.
kansanum Schaffn. = Equisetum laevigatum
laevigatum R. Br.
prealtum Raf. = Equisetum hyemale
varigatum Schleich. in Weber and Mohr

Arctostaphylos Ericaceae
patula Greene
var. platyphylla (A. Gray) Wells
uva-ursi (L.) Spreng.

Gaultheria Ericaceae
humifusa (R. Graham) Rydb.

Kalmia Ericaceae
polifolia Wang.

Ledum Ericaceae
glandulosum Nutt.

Vaccinium Ericaceae
caespitosum Michx.
globulare Rydb.
membranaceum Dougl. misapplied to Vaccinium globulare
myrtillus L.
occidentale A. Gray
scoparium Leib. in Coville

Euphorbia Euphorbiaceae
esula L.
fendleri T. and G.
glyptosperma Engelm. in Torr.
robusta (Engelm.) Small in Britt. and Brown
serpyllifolia Pers.

Astragalus Fabaceae
aboriginum Richards. = Astragalus australis
adsurgens Pallas
ssp. robustior (Hook.) Welsh
agrestis Dougl. in G. Don
alpinus L.
aretioides (M.E. Jones) Barneby
argophyllus Nutt. in T. and G.
var. martinii M.E. Jones
asclepiadoides M.E. Jones
australis (L.) Lam.
bisulcatus (Hook.) A. Gray
var. bisulcatus
haydenianus (A. Gray) Barneby
canadensis L.
var. brevidens (Gand.) Barneby

Astragalus Fabaceae (cont.)
canadensis
ceramicus Sheld.
chamaeleuce A. Gray in Ives
chloodes Barneby
cibarius Sheld.
cicer L.
confertiflorus A. Gray = Astragalus flavus
convallarius Greene
decumbens (Nutt.) A. Gray = Astragalus miser
detritalis M.E. Jones
diversifolius A. Gray misapplied to Astragalus convallarius
duchesnensis M.E. Jones
equisolensis Neese and Welsh med.
eurekensis M.E. Jones
flavus Nutt. in T. and G.
geyeri A. Gray
hamiltonii C.L. Porter
kentrophyta A. Gray
var. elatus S. Wats.
implexus (Canby) Barneby
jessiae (Peck) Barneby
lentiginosus Dougl. in. Hook
var. palans (M.E. Jones) M.E. Jones
platyphyllidius (Rydb.) Barneby
lonchocarpus Torr.
lutosus M.E.Jones
megacarpus (Nutt.) A. Gray
miser Dougl. in Hook.
var. oblongifolius (Rydb.) Cronq.
mollissimus Torr.
var. thompsonae (S. Wats.) Barneby
nelsonianus Barneby
oophorous S. Wats.
var. caulescens (M.E. Jones) M.E. Jones
pattersonii A. Gray in Brand
pubentissimus T. and G.
purshii Dougl. in Hook.
racemosus Pursh
var. treleasei C.L. Porter
saurinus Barneby
sericoleucus A. Gray
var. aretioides M.E. Jones = Astragalus aretioides
simplicifolius (Nutt.) A. Gray = Astragalus spatulatus
spatulatus Sheld.
striatus Nutt. in T. and G. = Astragalus adsurgens
tegetarius S. Wats. = Astragalus kentrophyta var. implexus
tenellus Pursh
utahensis (Torr.) T. and G.
wetherillii M.E. Jones
wingatanus S. Wats.

Caragana Fabaceae
arborescens Lam.

Glycyrrhiza Fabaceae
lepidota Pursh

Hedysarum Fabaceae
boreale Nutt.
var. boreale
gremiale (Rollins) Northstrom and Welsh
occidentale Greene

Lathyrus Fabaceae
lanszwertii Kellogg
latifolius L.
leucanthus Rydb. = Lathyrus lanszwertii
pauciflorus Fern.

Lupinus Fabaceae
alpestris A. Nels.
ammophilus Greene
argenteus Pursh
var. argenteus
parviflorus (Nutt.) C.L. Hitchc.
rubicaulis (Greene) Welsh
tenellus (Dougl.) Dunn
brevicaulis S. Wats.
caespitosus Nutt. in T. and G.
caudatus Kellogg
ssp. caudatus
greenei A. Nels. = Lupinus caudatus ssp. caudatus
lepidus = Lupinus caespitosus
leucophyllus Dougl. in Lindl.
prunophilus M.E. Jones
pusillus Pursh
var. intermontanus (Heller) C.P. Smith
pusillus
sericeus Pursh
wyethii S. Wats.

Medicago Fabaceae
hispida Gaertn. = Medicago polymorpha L.
lupulina L.
polymorpha L.
sativa L.

Melilotus Fabaceae
alba Desr. in Lam.
officinalis (L.) Lam.

Onobrychis Fabaceae
viciifolia Scop.

Oxytropis Fabaceae
besseyi (Rydb.) Blank.
var. fallax Barneby
obnapiformis (C.L. Porter) Welsh
deflexa (Pallas) DC.
var. deflexa
sericea T. and G.
jonesii Barneby
lambertii Pursh
multiceps T. and G.
obnapformis C.L. Porter = Oxytropis besseyi var. obnapiformis

Oxytropis Fabaceae (cont.)
parryi A. Gray
sericea Nutt. in T. and G.

Psoralea Fabaceae
lanceolata Pursh
megalantha Woot. and Standl.

Sophora Fabaceae
stenophylla A. Gray in Ives

Sphaerophysa Fabaceae
salsula (Pallas) DC.

Swainsonia Fabaceae
salsula (Pallas) Taub in Engl. and Prantl. = Sphaerophysa salsula

Thermopsis Fabaceae
divaricarpa A. Nels. = Thermopsis montana
montana Nutt. in T. and G.
rhombifolia Nutt. in Richards

Trifolium Fabaceae
andinum Nutt. in T. and G.
dasyphyllum T. and G.
var. uintense (Rydb.) Welsh
gymnocarpon Nutt. in T. and G.
hybridum L.
longipes Nutt. in T. and G.
var. reflexum A. Nels.
nanum Torr.
parryi A. Gray
var. montanense (Rydb.) Welsh
pratense L.
procumbens L.
repens L.

Vicia Fabaceae
americana Muhl. in Willd.
var. americana
minor Hook.
truncata Nutt. in T. and G. = Vicia americana var. americana

Quercus Fagaceae
gambelii Nutt.

Corydalis Fumariaceae
aurea Willd.
var. occidentalis Engelm. in A. Gray

Centaurium Gentianaceae
exaltatum (Griseb.) Wight in Piper

Frasera Gentianaceae
speciosa Dougl. ex Griseb. in Hook.

Gentiana Gentianacea
affinis Griseb. in Hook.
algida Pall.
amarella L. = Gentianella amarella
barbellata Engelm. = Gentianella barbellata
calycosa Griseb. in Hook.
detonsa Rottb. = Gentianella detonsa
forwoodii A. Gray = Gentiana affinis
fremontii Torr. in Frem. = Gentiana prostrata
heterosepala Engelm. = Gentianella amarella ssp. heterosepala
parryi Engelm. = Gentiana affinis
plebeia Cham. = Gentianella amarella ssp. acuta
prostrata Haenke in Jacq.
romanzovii Ledeb. = Gentiana algida
strictiflora (Rydb.) A. Nels. = Gentianella amarella ssp. acuta
tenella Rottb. in Kiob. = Gentianella tenella

Gentianella Gentianaceae
amarella (L.) Borner
ssp. acuta (Michx.) Gillett
heterosepala (Engelm.) Gillett
barbellata (Engelm.) Gillett
detonsa (Rottb.) G. Don
tenella (Rottb.) Borner

Swertia Gentianaceae
perennis L.
radiata (Kellogg) Kuntze = Frasera speciosa

Erodium Geraniaceae
cicutarium (L.) L'Her. in Ait.

Geranium Geraniaceae
bicknellii Britt.
nervosum Rydb. = Geranium viscossissimum var. nervosum
richardsonii Fisch. and Trautv.
viscosissimum Fisch. and Mey.
var. nervosum C.L. Hitchc.

Myriophyllum Haloragaceae (also spelled Haloragidaceae)
exalbescens Fern. = Myriophyllum spicatum
spicatum L.

Hippuris Hippuridaceae
vulgaris L.

Elodea Hydrocharitaceae
canadensis Michx.

Hesperochiron Hydrophyllaceae
pumilus (Griseb.) T.C. Porter in Haden

Hydrophyllum Hydrophyllaceae
capitatum Dougl.

Nama Hydrophyllaceae
densum Lem.

Nemophila Hydrophyllaceae
breviflora A. Gray

Phacelia Hydrophyllaceae
alba Rydb.
corrugata A. Nels.
crenulata Torr. in S. Wats.
demissa A. Gray
franklinii (R. Br.) A. Gray
glandulosa Nutt.
hastata Dougl. in Lehm.
heterophylla Pursh
incana Brand
ivesiana Torr. in Ives
sericea (R. Graham) A. Gray

Hypericum Hypericaceae
anagalloides C. and S.
formosum H.B.K.

Iris Iridaceae
missouriensis Nutt.

Sisyrinchium Iridaceae
angustifolium Mill. misapplied to Sisyrinchium idahoensis
demissum Greene misapplied to Sisyrinchium idahoensis
idahoensis Bickn.
montanum Greene misapplied to Sisyrinchium idahoensis
radicatum Bickn. = Sisyrinchium demissum

Isoetes Isoetaceae
bolanderi Engelm.
echinospora Durieu
lacustris L.
muricata Durieu = Isoetes echinospora
occidentalis Hend. = Isoetes lacustris

Juncus Juncaceae
albescens (Lange) Fern. = Juncus triglumis
alpinus Vill.
articus Willd.
badius Suksd. = Juncus nevadensis
balticus Willd. = Juncus articus
brunnescens Rydb. = Juncus ensifolius
bryoides F.J. Hermann = Juncus kelloggii
bufonius L.
castaneus Smith
confusus Coville
drummondii E. Meyer in Ledeb.
dudleyi Wiegand = Juncus tenuis
ensifolius Wikstr.
var. brunnescens (Rydb.) Cronq.
ensifolius
filiformis L.
hallii Engelm.
interior Wiegand = Juncus tenuis
kelloggii Engelm.
longistylis Torr. in Emory

Juncus Juncaceae (cont.)
marginatus Rostk.
mertensianus Bong.
nevadensis S. Wats.
nodosus L.
parryi Engelm.
regellii Buch.
saximontanus A. Nels. = Juncus ensifolius
sphaerocarpus misapplied to Juncus bufonius
tenuis Willd.
torreyi Coville
tracyi Rydb. = Juncus ensifolius
triglumis L.

Luzula Juncaceae
campestris (L) DC.
intermedia (Thuiller) A. Nels. = Luzula campestris
multiflora (Ehrh.) Lej. = Luzula campestris
parviflora (Ehrh.) Desv.
spicata (L.) DC.

Triglochin Juncaginaceae
maritima L.
palustris L.

Agastache Lamiaceae
urticifolia (Benth.) Kuntze

Dracocephalum Lamiaceae
parviflorum Nutt.

Hedeoma Lamiaceae
drummondii Benth.

Leonurus Lamiaceae
cardiaca L.

Lycopus Lamiaceae
americanus Muhl.
asper Greene
lucidus Turcz. in Benth. misapplied to Lycopus asper

Marrubium Lamiaceae
vulgare L.

Mentha Lamiaceae
arvensis L.

Moldavica Lamiaceae
parviflora (Nutt.) Britt. in Britt. and Brown = Dracocephalum parviflorum

Monarda Lamiaceae
fistulosa L.
var. menthaefolia (Graham) Fern.

Monardella Lamiaceae
odoratissima Benth.

Nepeta Lamiaceae
cataria L.

Prunella Lamiaceae
vulgaris L.

Scutellaria Lamiaceae
galericulata L.

Stachys Lamiaceae
palustris L.

Lemna Lemnaceae
minor L.
trisulca L.

Allium Liliaceae
acuminatum Hook.
brandegei S. Wats.
brevistylum S. Wats.
cernuum Roth
geyeri S. Wats.
nevadense S. Wats.
textile A. Nels. and Macbr.

Androstephium Liliaceae
breviflorum S. Wats.

Asparagus Liliaceae
officinalis L.

Calochortus Liliaceae
gunnisonii S. Wats.
nuttallii T. and G. in Beckwith

Disporum Liliaceae
trachycarpum (S. Wats.) B. and H.

Erythronium Liliaceae
grandiflorum Pursh

Fritillaria Liliaceae
atropurpurea Nutt.
pudica (Pursh) Spreng.

Lloydia Liliaceae
serotina (L.) Salisb. in Reichenb.

Smilacina Liliaceae
racemosa (L.) Desf.
stellata (L.) Desf.

Streptopus Liliaceae
amplexifolius (L.) DC. in Lam. and DC.

Veratrum Liliaceae
californicum Durand

Yucca Liliaceae
gilbertiana Rydb. = Yucca harrimanii
harrimanii Trelease

Zigadenus Liliaceae
elegans Pursh
paniculatus (Nutt.) S. Wats.
venenosus S. Wats.

Floerkea Limnanthaceae
proserpinacoides Willd.

Linum Linaceae
aristatum Engelm.
kingii S. Wats.
lewisii Pursh = Linum perenne
perenne L.

Mentzelia Loasaceae
albicaulis Dougl. in Hook.
densa Greene
dispersa S. Wats.
humilis (A. Gray) Darl.
integra (M.E. Jones) Tides.
laevicaulis (Dougl.) T. and G.
multicaulis (Osterh.) Goodman
multiflora (Nutt.) A. Gray
nuda (Pursh) T. and G.
var. rusbyi (Wooton) Harrington = Mentzelia rusbyi
pumila (Nutt.) T. and G.
rusbyi Woot.
thompsonae Glad

Ammannia Lythraceae
coccinea Rottb.

Iliamna Malvaceae
rivularis (Dougl.) Greene

Malva Malvaceae
neglecta Wallr.

Sida Malvaceae
hederacea (Dougl.) Torr. in A. Gray

Sidalcea Malvaceae
candida A. Gray
neomexicana A. Gray
oregana (Nutt.) A. Gray

Sphaeralcea Malvaceae
coccinea (Pursh) Rydb.
grossularifolia (H. and A.) Rydb.
munroana (Dougl.) Spach.
parvifolia A. Nels.

Menyanthus Menyanthaceae (Gentianaceae)
trifoliata L.

Humulus Moraceae
americanus Nutt. = Humulus lupulus
lupulus L.

Najas Najadaceae
guadalupensis (Sprengel) Morong.

Abronia Nyctaginaceae
argillosa Welsh and Goodrich
elliptica A. Nels.
fragrans Nutt. in. Hook. misapplied to Abronia elliptica
micrantha Torr. = Tripterocalyx micranthus

Hermidium Nyctaginaceae
alipes S. Wats.
var. pallidum C.L. Porter = Mirabilis alipes

Mirabilis Nyctaginaceae
alipes (S. Wats.) Pilz
linearis (Pursh) Heimerl. = Oxybaphus linearis
multiflora (Torr.) A. Gray in Torr.

Oxybaphus Nyctaginaceae
linearis (Pursh) Robins.

Tripterocalyx Nyctaginaceae
micranthus (Torr.) Hook.

Nuphar Nymphaeaceae
polysepalum Engelm.

Fraxinus Oleaceae
anomala Torr. in S. Wats.

Calylophus Onagraceae
lavandulaefolius (T. and G.) Raven

Camissonia Onagraceae
andina (Nutt.) Raven
breviflora (T. and G.) Raven
contorta (Dougl.) Raven
minor (A. Nels.) Raven
parvula (Nutt.) Raven
pterosperma (S. Wats.) Raven
scapoidea (T. and G.) Raven
subacaulis (Pursh) Raven

Epilobium Onagraceae
adenocaulon Hausskn. = Epilobium ciliatum
alpinum L. = Epilobium hornemanii in part and Epilobium lactiflorum in part
angustifolium L.
brachycarpum Presl
brevistylum Barbey = Epilobium ciliatum
ciliatum Raf.
glandulosum Lehm. = Epilobium ciliatum
hornemannii Reichenb.
lactiflorum Hausskn.

Epilobium Onagraceae (cont.)
palustre L.
paniculatum Nutt. in T. and G. = Epilobium brachycarpum
saximontanum Hausskn.
watsonii Barbey in Brewer and S. Wats. = Epilobium ciliatum

Gaura Onagraceae
parviflora Dougl. in Hook.

Gayophytum Onagraceae
diffusum T. and G. = Gayophytum ramosissimum
helleri Rydb. = Gayophytum racemosum
lasiospermum Greene = Gayophytum ramosissimum
nuttallii T. and G. misapplied to Gayophytum ramosissimum
racemosum T. and G.
ramosissimum Nutt. in T. and G.

Oenothera Onagraceae
albicaulis Pursh
acutissima W. Wagner
andina Nutt. in T. and G. = Camissonia andina
brachycarpa (A. Gray) Britt.
var. wrightii (A. Gray) Leveille
breviflora T. and G. = Camissonia breviflora
caespitosa Nutt.
var. marginata (Nutt.) Munz
montana (Nutt.) Durand
contorta Dougl. in Hook. = Camissonia contorta
coronopifolia T. and G.
flava (A. Nels.) Garrett
heterantha Nutt. = Camissonia subacaulis
hookeri T. and G.
var. angustifolia Gates
lavandulaefolia T. and G. = Calylophus lavandulaefolia
minor (A. Nels.) Munz = Camissonia minor
pallida Lindl.
ssp. trichocalyx (Nutt.) Munz and Klein
pterosperma S. Wats. = Camissonia pterosperma
scapoidea = Camissonia scapoidea
strigosa (Rydb.) Mack. and Bush = Oenothera villosa
subacaulis (Pursh) Garrett
trichocalyx Nutt.
villosa Thunb.

Botrychium Ophioglossaceae
lunaria (L.) Sw.

Calypso Orchidaceae
bulbosa (L.) Oakes in Thompson

Corallorhiza Orchidaceae
maculata Raf.
striata Lindl.
trifida Chat.

Cypripedium Orchidaceae
fasciculatum Kellogg in S. Wats.

Epipactis Orchidaceae
gigantea Dougl. in Hook.

Habenaria Orchidaceae
bracteata (Willd.) R. Br. in Ait. = Habenaria viridis
dilatata (Pursh) Hook.
hyperborea (L.) R. Br.
obtusata (Banks) Richards.
saccata Greene
sparsiflora S. Wats.
unalascensis (Spreng.) S. Wats.
viridis (L.) R. Br. in Ait.

Spiranthes Orchidaceae
romanzoffiana Cham.

Orobanche Orobanchaceae
californica C. and S.
var. corymbosa (Rydb.) Munz = Orobanche corymbosa
corymbosa (Rydb.) Ferris
fasciculata Nutt.
uniflora L.
var. minuta (Suksd.) Beck

Papaver Papaveraceae
nudicaule L. var. radicatum (Rottb.) DC. = Papaver radicatum
radicatum Rottb. in DC.

Abies Pinaceae
concolor (Gord. and Glend.) Lindl. in Hildebr.
lasiocarpa (Hook.) Nutt.

Picea Pinaceae
engelmannii Parry in Engelm.
pungens Engelm.

Pinus Pinaceae
aristata Engelm. misapplied to Pinus longaeva
contorta Dougl. in Loudon
var. latifolia Engelm. in S. Wats.
edulis Engelm. in Wisliz.
flexilis James in Long
longaeva D.K. Bailey
ponderosa Laws.

Pseudotsuga Pinaceae
menziesii (Mirb.) Franco
taxifolia (Poir.) Britt. in Sudworth = Pseudotsuga menziesii

Plantago Plantaginaceae
elongata Pursh
eriopoda Torr.
lanceolata L.
major L.
patagonica Jacq.
purshii R. and S. = Plantago patagonica Jacq.
tweedyi A. Gray

Aegilops Poaceae
cylindrica Host

X Agrohordeum Poaceae
macounii (Vasey) Lepage

Agropyron Poaceae
albicans Scribn. and Smith
caninum L. Beauv. misapplied to Agropyron trachycaulum
cristatum (L.) Gaertn.
dasystachyum (Hook.) Scribn.
elongatum (Host) Beauv.
griffithsii Scribn. and Smith = Agropyron albicans
intermedium (Host) Beauv.
var. intermedium
trichophorum (Link) Halac.
latiglume (Scribn. and Sm.) Rydb. = Agropyron trachycaulum var. latiglume
x pseudorepens Scribn. and Smith
repens (L.) Beauv.
riparium Scribn. and Smith = Agropyron dasystachyum
scribneri Vasey
sibiricum (Willd.) Beauv. = Agropyron cristatum
smithii Rydb.
spicatum (Pursh) Scribn. and Smith
var. inerme (Scribn. and Smith) Heller
spicatum
subsecundum (Link) Hitchc. = Agropyron trachycaulum var. unilaterale
trachycaulum (Link) Malte
var. glaucum (Pease and More) Malte
latiglume (Scribn. and Smith) Beetle
trachycaulum
unilaterale (Cassidy) Malte
trichophorum (Link) Richt. = Agropyron intermedium var. trichophorum

Agrositanion Poaceae
sandersii (Vasey) Bowden
saxicola (Scribn. and Smith) Vasey

Agrostis Poaceae
alba L. = Agrostis stolonifera
exarata Trin.
hiemalis (Walt.) B.S.P. = Agrostis scabra
humilis Vasey
idahoensis Nash
palustris Huds. = Agrostis stolonifera
scabra Willd.
stolonifera L.
thurberiana Hitchc.
variabilis Rydb.

Alopecurus Poaceae
aequalis Sobol.
alpinus Smith
geniculatus L.
pratensis L.

Andropogon Poaceae
hallii Hackel

Aristida Poaceae
fendleriana Steud. = Aristida purpurea
longiseta Steud. = Aristida purpurea
purpurea Nutt.

Arrhenatherum Poaceae
elatius (L.) Presl

Avena Poaceae
fatua L.
sativa L.

Beckmannia Poaceae
syzigachne (Steud.) Fern.

Blepharoneuron Poaceae
tricholepis (Torr.) Nash

Bouteloua Poaceae
curtipendula (Michx.) A. Gray
gracilis (H.B.K.) Lag. in Steud.

Bromopsis Poaceae
porteri (Coult.) Holub = Bromus anomalus

Bromus Poaceae
anomalus Rupr.
brizaeformis F. and M.
carinatus H. and A.
ciliatus L.
commutatus Schrader = Bromus japonicus
erectus Huds.
hordeaceus L.
inermis Leyss.
japonicus Thurb.
marginatus Nees = Bromus carinatus
mollis L. = Bromus hordeaceus

polyanthus Scribn. = Bromus carinatus
racemosus L. = Bromus hordeaceus
tectorum L.

Buchloe Poaceae
dactyloides (Nutt.) Engelm.

Calamagrostis Poaceae
canadensis (Michx.) Beauv.
inexpansa A. Gray = Calamagrostis stricta
neglecta (Ehrh.) Gaertn., Mey. and Scherb. = Calamagrostis stricta

purpurascens R. Br.
rubescens Buckl.
scopulorum Jones
stricta (Timm) Koeler

Catabrosa Poaceae
aquatica (L.) Beauv.

Cenchrus Poaceae
longispinus (Hackel) Fern.

Ceratochloa Poaceae
marginata (Nees) Jackson = Bromus carinatus

Dactylis Poaceae
glomerata L.

Danthonia Poaceae
californica Boland.
intermedia Vasey
unispicata (Thurb.) Munro in Macoun

Deschampsia Poaceae
caespitosa (L.) Beauv.
elongata (Hook.) Munro in Benth.

Dichanthelium Poaceae
lanuginosum (Ell.) Gould

Distichlis Poaceae
spicata (L.) Greene
var. stricta (Torr.) Scribn.

Echinochloa Poaceae
crusgalli (L.) Beauv.

Elymus Poaceae
ambiguus Vasey and Scribn.
var. salina (M.E. Jones) C.L. Hitchc. = Elymus salina
canadensis L.
cinereus Scribn. and Merr.
glaucus Buckley
junceus Fisch.
macounii Vasey = X Agrohordeum macounii
salina Jones
simplex Scribn. and Will.
triticoides Buckley
var. simplex (Scribn. and Will.) Hitchc. = Elymus simplex

Eragrostis Poaceae
cilianensis (All.) Mosher
orcuttiana Vasey

Erioneuron Poaceae
pilosum (Buckley) Nash in Small

Festuca Poaceae
dasyclada Hackel in Beal
elatior L. = Festuca pratensis
idahoensis Elmer = Festuca ovina var. ingrata
octoflora Walter = Vulpia octoflora
ovina L.
var. brachyphylla Schultes = var. brevifolia

Festuca Poaceae (cont.)
brevifolia (R. Br.) S. Wats.
duriuscula (L.) Koch
ingrata Hackel in Beal
rydbergii St.-Yves
pratensis Huds.
thurberi Vasey

Glyceria Poaceae
borealis (Nash) Batchelder
elata (Nash) M.E. Jones = Glyceria striata
grandis S. Wats.
pauciflora Presl = Puccinellia pauciflora
striata (Lam.) Hitchc.

Helictotrichon Poaceae
mortonianum (Scrib.) Henr.

Hesperochloa Poaceae
kingii (S. Wats) Rydb. = Leucopoa kingii

Hierochloe Poaceae
odorata (L.) Beauv.

Hilaria Poaceae
jamesii (Torr.) Benth.

Hordeum Poaceae
brachyantherum Nevski
jubatum L.
pusillum Nutt.
vulgare L.

Koeleria Poaceae
cristata (L.) Pers. = Koeleria macrantha
macrantha (Ledeb.)
nitida Nutt. = Koeleria macrantha

Leptochloa Poaceae
fascicularis (Lam.) A. Gray

Leucopoa Poaceae
kingii (S. Wats.) W.A. Weber

Lolium Poaceae
multiflorum Lam.
perenne L.

Melica Poaceae
bulbosa Geyer in Porter and Coult.
spectabilis Scribn.

Muhlenbergia Poaceae
andina (Nutt.) Hitchc.
asperifolia (Nees and Mey.) Parodi
filiformis (Thurb.) Rydb.
glomerata (Willd.) Trin.
racemosa (Michx.) B.S.P.

Muhlenbergia Poaceae (cont.)
richardsonis (Trin.) Rydb.
squarrosa (Trin.) Rydb. = Muhlenbergia richardsonis

Munroa Poaceae
squarrosa (Nutt.) Torr. in Whipple

Oryzopsis Poaceae
asperifolia Michx.
exigua Thurb. in Wilkes
hymenoides (R. and S.) Ricker in Piper
micrantha (Trin. and Rupr.) Thurb.

Panicum Poaceae
capillare L.
huachucae Ashe = Dichanthelium lanuginosum
miliaceum L.
tennesseense Ashe = Dichanthelium lanuginosum

Phalaris Poaceae
arundinacea L.

Phleum Poaceae
alpinum L.
pratense L.

Phragmites Poaceae
australis (Cav.) Trin. in Steud.
communis Trin. = Phragmites australis

Poa Poaceae
alpina L.
ampla Merr.
annua L.
arctica R. Br.
arida Vasey
bulbosa L.
canbyi (Scribn.) J.T. Howell
compressa L.
curta Rydb. = Poa nervosa
cusickii Vasey
epilis Scribn.
fendleriana (Steud.) Vasey
glauca Vahl.
gracillima Vasey
interior Rydb. = Poa glauca
juncifolia Scribn.
leptocoma Trin.
lettermanii Vasey
longiligula Scribn. and Will = Poa fendleriana
nemoralis L.
var. interior (Rydb.) Butt. and Abbe = Poa glauca
nervosa (Hook.) Vasey
nevadensis Vasey in Scribn.
palustris L.
pattersonii Vasey
pratensis L.
reflexa Vasey and Scribn. = Poa leptocoma

Poa Poaceae (cont.)
rupicola Nash. in Rydb. = Poa glauca
sandbergii Vasey = Poa secunda
secunda Presl
trivialis L.

Polypogon Poaceae
monspeliensis (L.) Desf.

Puccinellia Poaceae
airoides (Nutt.) S. Wats. and Coult. in A. Gray = Puccinellia nuttalliana
distans (L.) Parl.
nuttalliana (Schultes) Hitchc.
pauciflora (Presl) Munz

Redfieldia Poaceae
flexuosa (Thurb.) Vasey

Schedonnardus Poaceae
paniculatus (Nutt.) Trel. in Banner and Coville

Schizachne Poaceae
purpurascens (Torr.) Swallen

Secale Poaceae
cereale L.

Setaria Poaceae
verticillata (L.) Beauv.
viridis (L.) Beauv.

Sitanion Poaceae
hystrix (Nutt.) J.G. Smith
jubatum J.G. Sm. = Sitanion hystrix
longifolium J.G. Smith = Sitanion hystrix

Spartina Poaceae
pectinata Link

Sphenopholis Poaceae
obtusata (Michx.) Scribn.

Sporobolus Poaceae
airoides (Torr.) Torr. in Parke
contractus Hitchc.
cryptandrus (Torr.) A. Gray

Stipa Poaceae
columbiana Macoun
var. columbiana
nelsonii (Scribn.) Hitchc.
comata Trin. and Rupr.
var. comata
intermedia Scribn. and Tweedy
lettermanii Vasey
pinetorum M.E. Jones
viridula Trin.

Stiporyzopsis Poaceae
bloomeri (Boland.) B.L. Johnson

Tridens Poaceae
pilosus (Buckl.) Hitchc. = Erioneuron pilosum

Trisetum Poaceae
montanum Vasey
spicatum (L.) Richter
wolfii Vasey

Triticum Poaceae
aestivum L.

Vulpia Poaceae
octoflora (Walter) Rydb.

Collomia Polemoniaceae
grandiflora Dougl. in. Lindl.
linearis Nutt.

Gilia Polemoniaceae
aggregata (Pursh) Spreng. = Ipomopsis aggregata V. Grant
calcarea M.E. Jones = Gilia pinnatifida
congesta Hook. = Ipomopsis congesta
inconspicua (Smith) Sweet
leptomeria A. Gray
mcvickerae M.E. Jones = Gilia pinnatifida
ophthalmoides Brand in Engler = Gilia inconspicua
pinnatifida Nutt. in A. Gray
polycladon Torr. in Emory = Ipomopsis polycladon
pumila Nutt.
roseata Rydb. = Ipomopsis roseata
sinuata Dougl. in Benth. = Gilia inconspicua
spicata Nutt.
stenothyrsa A. Gray

Gymnosteris Polemoniaceae
parvula (Rydb.) Heller

Ipomopsis Polemoniaceae
aggregata (Pursh) V. Grant
congesta (Hook.) V. Grant
polycladon (Torr.) V. Grant
pumila (Nutt.) V. Grant
roseata (Rydb.) V. Grant
spicata (Nutt.) V. Grant

Leptodactylon Polemoniaceae
caespitosum Nutt.
pungens (Torr.) Nutt.
watsonii (A. Gray) Rydb.

Linanthastrum Polemoniaceae
nuttallii (A. Gray) Ewan

Linanthus Polemoniaceae
harknessii (Curran) Greene
var. septentrionalis (Mason) Jeps. and Bailey = Linanthus septentrionalis
septentrionalis Mason

Microsteris Polemoniaceae
gracilis (Hook.) Greene
humielis Greene = Microsteris gracilis

Navarretia Polemoniaceae
breweri (A. Gray) Greene

Phlox Polemoniaceae
austromontana Cov.
caespitosa Nutt. misapplied to Phlox pulvinata
diffusa Benth.
grahamii Wherry
hoodii Richardson
longifolia Nutt.
ssp. calva Wherry
cortenza (A. Nels.) Wherry
multiflora A. Nels.
ssp. depressa (A. Nels.) Wherry
pulvinata (Wherry) Cronq.

Polemonium Polemoniaceae
delicatum Rydb. = Polemonium pulcherrimum
foliosissimum A. Gray
occidentale Greene
pulcherrimum Hook.
viscosum Nutt.

Eriogonum Polygonaceae
alatum Torr.
arcuatum Greene = Eriogonum jamesii
batemanii M.E. Jones
brevicaule Nutt.
var. brevicaule
laxifolium (T. and G.) Reveal
cernuum Nutt.
corymbosum Benth. in DC.
var. erectum Reveal and Brotherson
corymbosum
orbiculatum (Stokes) Reveal and Brotherson
x duchesnense Reveal
effusum Nutt. misapplied to Eriogonum corymbosum
ephedroides Reveal
flexum M.E. Jones
gordonii Benth. in DC.
heracleoides Nutt.
hookeri S. Wats.
hylophilum Reveal and Brotherson
inflatum Torr. and Frem. in Frem.
intermontanum Reveal
jamesii Benth. in DC.
var. flavescens S. Wats.
lonchophyllum T. and G.

Eriogonum Polygonaceae (cont.)
microthecum Nutt.
var. foliosum (T. and G.) Reveal
laxiflorum Hook.
ovalifolium Nutt.
var. multiscapum Gand.
ovalifolium
racemosum Nutt.
salsuginosum (Nutt.) Hook.
sarothriforme Gand. = Eriogonum lonchophyllum
saurinum Reveal
shockleyi S. Wats.
var. longilobum (M.E. Jones) Reveal
simpsonii Benth. in DC. = Eriogonum microthecum var. foliosum
tumulosum (Barneby) Reveal
umbellatum Torr.
var. aureum (Gand.) Reveal
dichrocephalum Gand.
majus Hook.
porteri (Small) Stokes
umbellatum
viridulum Reveal

Oxyria Polygonaceae
digyna (L.) Hill

Persicaria Polygonaceae
maculata (Raf.) S.F. Gray = Polygonum persicaria

Polygonum Polygonaceae
amphibium L.
argyrocoleon Steud.
aviculare L.
bistortoides Pursh
coccineum Muhl. in Willd.
convolvulus L.
douglasii Greene
var. douglasii
latifolium (Engelm.) Greene
kelloggii Greene
lapathifolium L.
monspeliensis Thieb.
persicaria L.
polygaloides Meisn.
ramosissimum Michx.
sawatchense Small
viviparum L.
watsonii Small = Polygonum kelloggii

Rumex Polygonaceae
acetosella L.
crispus L.
fueginus Phil. = Rumex maritimus var. fueginus
hymenosepalus Torr.
maritimus L.
var. fueginus (Phil.) Dusen
mexicanus Meisn. = Rumex salicifolius var. mexicanus
obtusifolius L.

Rumex Polygonaceae
occidentalis S. Wats.
patientia L.
paucifolius Nutt.
salicifolius Weinm.
var. mexicanus (Meisn.) C.L. Hitchc.
montigenitus Jeps.
utahensis Rech. = Rumex salicifolius var. montigenitus
venosus Pursh

Asplenium Polypodiaceae
viride Huds.

Athyrium Polypodiaceae
felix-femina (L.) Roth

Cheilanthes Polypodiaceae
feei Moore

Cryptogramma Polypodiaceae
acrostichoides R. Br. in Richards = Cryptogramma crispa
crispa (L.) R. Br. in Hook.

Cystopteris Polypodiaceae
fragilis (L.) Bernh.

Pellaea Polypodiaceae
breweri D.C. Eaton
glabella Mett. in Kuhn
suksdorfiana Butters = Pellaea glabella

Pteridium Polypodiaceae
aquilinum (L.) Kuhn

Woodsia Polypodiaceae
oregana D.C. Eaton
scopulina D.C. Eaton

Claytonia Portulaceae
lanceolata Pursh
megarhiza (A. Gray) Parry in S. Wats.

Lewisia Portulaceae
pygmaea (A. Gray) Rob.
rediviva Pursh

Portulaca Portulaceae
oleracea L.

Potamogeton Potamogetonaceae
alpinus Balb.
berchtoldii Fieber = Potamogeton pusillus
filiformis Pers.
foliosus Raf.
illinoensis Morong
natans L.
nodosum Poir. in Lam.
pectinatus L.

Potamogeton Potamogetonaceae (cont.)
perfoliatus L.
ssp. richardsonii (Benn.) Hulten
pusillus L.
richardsonii (Benn.) Rydb.

Androsace Primulaceae
occidentalis Pursh
septentrionalis L.

Dodecatheon Primulaceae
alpinum (A. Gray) Greene
pauciflorum (Dur.) Greene = Dodecatheon pulchellum
pulchellum (Raf.) Merrill

Glaux Primulaceae
maritima L.

Primula Primulaceae
parryi A. Gray

Chimaphila Pyrolaceae
umbellata (L.) Bart.

Moneses Pyrolaceae
uniflora (L.) A. Gray

Pterospora Pyrolaceae
andromedea Nutt.

Pyrola Pyrolaceae
asarifolia Michx.
chlorantha Sw. = Pyrola virens
minor L.
secunda L.
uniflora L. = Moneses uniflora
virens Schweigg

Aconitum Ranunculaceae
columbianum Nutt. in T. and G.

Actaea Ranunculaceae
arguta Nutt. in T. and G. = Actaea rubra
rubra (Ait.) Willd.

Anemone Ranunculaceae
globosa Nutt. in Pritz = Anemone multifida
multifida Poir.
parviflora Michx.
patens L.

Aquilegia Ranunculaceae
barnebyi Munz
caerulea James in Long
elegantula Greene
flavescens S. Wats
micrantha Eastw.
scopulorum Tides.

Caltha Ranunculaceae
leptosepala

Ceratocephala Rananculaceae
testiculata (Crantz) Roth = Ranunculus testiculatus

Clematis Ranunculaceae
columbiana (Nutt.) T. and G.
hirsutissima Pursh
ligusticifolia Nutt. in T. and G.
occidentalis (Hornem) DC.
orientalis L.
pseudoalpina (Kuntze) A. Nels. = Clematis columbiana

Delphinium Ranunculaceae
andersonii A. Gray
geyeri Greene
nelsonii Greene = Delphinium nuttallianum
nuttallianum Pritz. in Walp.
occidentale (S. Wats.) S. Wats.
ramosum Rydb.

Myosurus Ranunculaceae
aristatus Benth. in Hook.
minimus L.

Pulsatilla Ranunculaceae
ludoviciana (Nutt.) Heller = Anemone patens

Ranunculus Ranunculaceae
acriformis A. Gray
acris L.
adoneus A. Gray
alismaefolius Geyer in Benth.
aquatilis L.
cardiophyllus Hook.
circinatus Sibth.
cymbalaria Pursh
var. saximontanus Fern.
eschscholtzii Schlecht.
flammula L.
gelidus Kar. and Kir.
glaberrimus Hook.
var. ellipticus (Greene) Greene
gmelinii DC.
inamoenus Greene
jovis A. Nels.
macounii Britt.
orthorhynchus Hook.
repens L.
scleratus L.
var. multifidus Nutt.
testiculatus Crantz
uncinatus (D. Don.) Hook.
var. earle (Greene) Benson

Thalictrum Ranunculaceae
alpinum L.

Thalictrum Ranunculaceae (cont.)
fendleri Engelm. in A. Gray
sparsiflorum Turcz. in Fisch

Trollius Ranunculaceae
laxus Salisb.

Ceanothus Rhamnaceae
fendleri A. Gray
martini Jones
velutinus Dougl. in Hook.

Rhamnus Rhamnaceae
smithii Greene

Amelanchier Rosaceae
alnifolia (Nutt.) Nutt.
pumila Nutt. = Amelanchier alnifolia
utahensis Koehne

Cercocarpus Rosaceae
intricatus S. Wats.
ledifolius Nutt.
var. intercedens Schneid.
intricatus (S. Wats.) Jones = Cercocarpus intricatus
montanus Raf.

Cowania Rosaceae
mexicana D. Don.
var. stansburiana (Torr.) Jeps.

Crataegus Rosaceae
douglasii Lindl.
erythropoda Ashe
rivularis Nutt. = Crataegus douglasii
saligna Greene

Dryas Rosaceae
octopetala L.

Fragaria Rosaceae
americana (Porter) Britt. = Fragaria vesca
ovalis (Lehm.) Rydb. = Fragaria virginiana
vesca L.
virginiana Duchn.
var. glauca S. Wats.

Geum Rosaceae
aleppicum Jacq.
ciliatum Pursh = Geum triflorum
macrophyllum Willd.
rossii (R. Br.) Ser.
strictum Ait. = Geum aleppicum
triflorum Pursh
turbinatum Rydb. = Geum rossii

Holodiscus Rosaceae
dumosus (Nutt.) Heller

Holodiscus Rosaceae (cont.)
microphyllus Rydb. = Holodiscus dumosus

Ivesia
gordonii (Hook.) T. and G. in Newberry

Peraphyllum Rosaceae
ramosissimum Nutt.

Petrophytum Rosaceae
caespitosum (Nutt.) Rydb.

Physocarpus Rosaceae
alternans (M.E. Jones) Howell
malvaceus (Greene) Kuntze

Potentilla Rosaceae
anserina L.
biennis Greene
brunescens (Rydb.) = Potentilla gracilis
concinna Richards
decurrens (S. Wats.) Rydb.
diversifolia Lehm.
fruticosa L.
glandulosa Lindl.
gracilis Dougl.
var. glabrata (Lehm.) C.L. Hitchc.
gracilis
pulcherrima (Lehm.) Fern. = Potentilla pulcherrima
hippiana Lehm.
leucocarpa Rydb. = Potentilla rivalis
monspeliensis L. = Potentilla norvegica
nivea L.
norvegica L.
ovina Macoun
paradoxa Nutt.
pectinisecta Rydb.
pensylvanica L.
plattensis Nutt. in T. and G. misapplied to Potentilla
decurrens
pulcherrima Lehm.
rivalis Nutt.
rubricaulis Lehm. misapplied to Potentilla concinna

Prunus Rosaceae
americana Marsh
virginiana L.
var. melanocarpa (A. Nels.) Sarg.

Purshia Rosaceae
tridentata (Pursh) DC.

Rosa Rosaceae
nutkana Presl
woodsii Lindl.

Rubus Rosaceae
idaeus L.

Rubus Rosaceae (cont.)
ssp. sachalinensis (Leveille) Focke
parviflorus Nutt.
strigosus Michx. = Rubus idaeus

Sanguisorba Rosaceae
minor Scop.

Sibbaldia Rosaceae
procumbens L.

Sorbus Rosaceae
scopulina Greene

Spiraea Rosaceae
caespitosa Nutt. in T. and G. = Petrophytum caespitosum

Galium Rubiaceae
aparine L.
bifolium S. Wats.
boreale L.
brandegei A. Gray = Galium trifidum
coloradoense W.F. Wight. = Galium multiflorum
multiflorum Kellogg
trifidum L.
triflorum Michx.
verum L.

Populus Salicaceae
acuminata Rydb.
alba L.
angustifolia James
deltoides Marsh
fremontii S. Wats.
var. wislizenii S. Wats.
tremuloides Michx.
wislizenii (S. Wats.) Sarg. = Populus fremontii var. wislizenii

Salix Salicaceae
amygdaloides Anderss.
anglorum Cham.
var. antiplasta Schneid. = Salix artica
artica Pall.
bebbiana Sarg.
boothii Dorn = Salix myrtillifolia
brachycarpa Nutt.
cascadensis Cockerell
caudata (Nutt.) Heller
var. bryantiana Ball and Bracelin = Salix lasiandra
drummondiana Barr. in Hook.
exigua Nutt.
var. stenophylla (Rydb.) Schneid.
geyeriana Anderss.
glauca L.
interior Rowlee = Salix exigua
lasiandra Benth.
ligulifolia (Ball) Ball in E.C. Smith = Salix rigida
lutea Nutt. = Salix rigida

Salix Salicaceae (cont.)
melanopsis Nutt. = Salix exigua
monticola Bebb in Coult.
myrtillifolia Anderss. in Oefuers
nivalis Hook. = Salix reticulata
phylicifolia L.
var. monica (Bebb) Jeps.
planifolia Pursh = Salix phylicifolia L.
pseudocordata (Anderss.) Rydb. = Salix myrtillifolia
pseudolapponum von. Seem = Salix glauca
pseudomonticola Ball = Salix monticola
pseudomyrsinites Anderss. = Salix myrtillifolia
reticulata L.
rigida Muhl.
var. watsonii (Bebb.) Cronq.
scouleriana Barr.
subcoerulea Piper = Salix drummondiana
wolfii Bebb. in Wheeler

Comandra Santalaceae
umbellata (L.) Nutt.
var. pallida (DC.) M.E. Jones

Fendlerella Saxifragaceae
utahensis (S. Wats.) Heller

Heuchera Saxifragaceae
parvifolia Nutt. in T. and G.

Lithophragma Saxifragaceae
bulbifera Rydb. = Lithophragma glabra
glabra Nutt. in T. and G.
parviflora (Hook.) Nutt. in T. and G.

Mitella Saxifragaceae
pentandra Hook.
stauropetala Piper
stenopetala Piper = Mitella stauropetala

Parnassia Saxifragaceae
fimbriata Koenig
palustris L.
parviflora DC. = Parnassia palustris

Philadelphus Saxifragaceae
microphyllus A. Gray
ssp. occidentalis (A. Nels.) C.L. Hitchc.

Ribes Saxifragaceae
aureum Pursh
cereum Dougl.
hudsonianum Richards
inerme Rydb.
lacustre (Pers.) Poir. in Lam.
leptanthum A. Gray
mogollonicum Greene = Ribes wolfii
montigenum McClat.
setosum Lindl.

Ribes Saxifragaceae (cont.)
viscosissimum Pursh
wolfii Roth.

Saxifraga Saxifragaceae
adscendens L.
arguta D. Don misapplied to Saxifraga odontoloma
caespitosa L.
cernua L.
chrysantha A. Gray
debilis Engelm.
odontoloma Piper
rhomboidea Greene

Sullivantia Saxifragaceae
purpusii (Brand) Rosend.

Besseya Scrophulariaceae
cinerea (Raf.) Pennell misapplied to Besseya wyomingensis
wyomingensis (A. Nels.) Rydb.

Castilleja Scrophulariaceae
applegatei Fern. misapplied to Castilleja viscida
chromosa A. Nels.
exilis A. Nels.
flava S. Wats.
leonardii Rydb.
linariifolia Benth. in DC.
miniata Dougl.
minor A. Gray
occidentalis Torr.
pulchella Rydb.
rhexifolia Rydb.
scabrida Eastw.
septentrionalis Lindl. misapplied to Castilleja sulphurea
sulphurea Rydb.
viscida Rydb.

Collinsia Scrophulariaceae
parviflora Dougl. in Lindl.

Cordylanthus Scrophulariaceae
kingii S. Wats.
ramosus Nutt. in DC.

Limosella Scrophulariaceae
aquatica L.

Linaria Scrophulariaceae
vulgaris Mill.

Mimulus Scrophulariaceae
glabratus H.B.K.
guttatus Fisch. in DC.
lewisii Pursh
moschatus Dougl. in Lindl.
primuloides Benth.
rubellus A. Gray in Torr.

Mimulus Scrophulariaceae (cont.)
suksdorfii A. Gray

Orthocarpus Scrophulariaceae
luteus Nutt.
tolmiei H. and A.

Pedicularis Scrophulariaceae
bracteosa Benth. in Hook.
var. paysoniana (Penn.) Cronq.
centranthera A. Gray in Torr.
grayi A. Nels.
groenlandica Retz.
parryi A. Gray
paysoniana Penn. = Pedicularis bracteosa var. paysoniana
racemosa Dougl. in Hook.

Penstemon Scrophulariaceae
acaulis L.O. Williams
angustifolius Nutt. in. Pursh
var. vernalensis N. Holmgren
caespitosus Nutt. in A. Gray
var. caespitosus
var. perbrevis (Penn.) N. Holmgren
carnosus Penn. in Graham
cleburnei M.E. Jones
comarrhenus A. Gray
cyananthus Hook.
dolius M.E. Jones in Penn.
var. duchesnensis N. Holmgren
eatoni A. Gray
fremontii T. and G. in A. Gray
goodrichii N. Holmgren
grahamii Keck in Graham
humilis Nutt. in A. Gray
jamesii Benth. in D.C.
leonardii Rydb.
mensarum Pennell
montanus Greene
mucronatus N. Holmgren
pachyphyllus A. Gray in Rydb.
palmeri A. Gray
procerus Dougl. in Graham
rydbergii A. Nels.
saxosorum Penn.
scariosus Penn.
strictus Benth. in DC.
subglaber Rydb.
uintahensis Penn.
watsonii A. Gray
whippleanus A. Gray
yampaensis Penland

Scrophularia Scrophulariaceae
lanceolata Pursh

Synthyris Scrophulariaceae
pinnatifida S. Wats.

Verbascum Scrophulariaceae
thapsus L.

Veronica Scrophulariaceae
americana L.
anagallis-aquatica L.
catenata Penn.
peregrina L.
ssp. xalapensis (H.B.K.) Penn.
serpyllifolia L.
ssp. humifusa (Dickson) Syme
wormskjoldii R. and S.

Selaginella Selaginellaceae
densa Rydb.
mutica D.C. Eaton in Underw.
watsonii Underw.

Datura Solanaceae
stramonium L.

Hyoscyamus Solanaceae
niger L.

Lycium Solanaceae
barbarum L.
halimifolium Mill. = Lycium barbarum

Nicotiana
attenuata Torr. in S. Wats.

Physalis Solanaceae
longifolia Nutt. = Physalis virginiana
virginiana Mill.

Solanum Solanaceae
dulcamara L.
rostratum Dunal
triflorum Nutt.

Sparganium Sparganiaceae
angustifolium Michx.
emersum Rehmann
var. multipedunculatum (Morong) Reveal
minimum Fries
multipedunculatum (Morong) Rydb. = Sparganium emersum var. multipedunculatum

Tamarix Tamaricaceae
gallica L. misapplied to Tamarix ramosissima
pentandra Pall. misapplied to Tamarix ramosissima
ramosissima Ledeb.

Typha Typhaceae
angustifolia L. misapplied to Typha domingensis
domingensis Pers.
latifolia L.

Celtis Ulmaceae
occidentalis L. misapplied to Celtis reticulata
reticulata Torr.

Urtica Urticaceae
dioica L.
ssp. gracilis (Ait.) Seland.
gracilis Ait. = Urtica dioica ssp. gracilis

Valeriana Valerianaceae
acutiloba Rydb.
capitata Pall. in Link ssp. acutiloba (Rydb.) F.G. Mey. = Valeriana acutiloba
edulis Nutt. in T. and G.
occidentalis Heller

Phyla Verbenaceae
cuneifolia (Torr.) Greene

Verbena Verbenaceae
bractaeta Lag. and Rodr.

Viola Violaceae
adunca Smith
canadensis L.
macloskeyi Lloyd
var. pallens (Banks) C.L. Hitchc.
nephrophylla Greene
nuttallii Pursh
palustris L.
var. brevipes (Baker) R.J. Davis
praemorsa Dougl. in Lindl. = Viola nuttallii
purpurea Kell.
ssp. venosa (S. Wats.) Baker and Clausen
rugulosa Greene = Viola canadensis
utahensis Baker and Clausen
vallicola A. Nels. = Viola nuttallii

Arceuthobium Viscaceae (Loranthaceae)
americana Nutt. in Engelm.
campylopodum Engelm.
forma divaricatum (Engelm.) Gill = Arceuthobium divaricatum
divaricatum Engelm. in Wheeler.
douglasii Engelm. in Wheeler

Parthenocissus Vitaceae
quinquefolia (L.) Planch.
vitaceae (Knerr) Hitchc.

Zannichellia Zannichelliaceae
palustris L.

Tribulus Zygophyllaceae
terrestris L.

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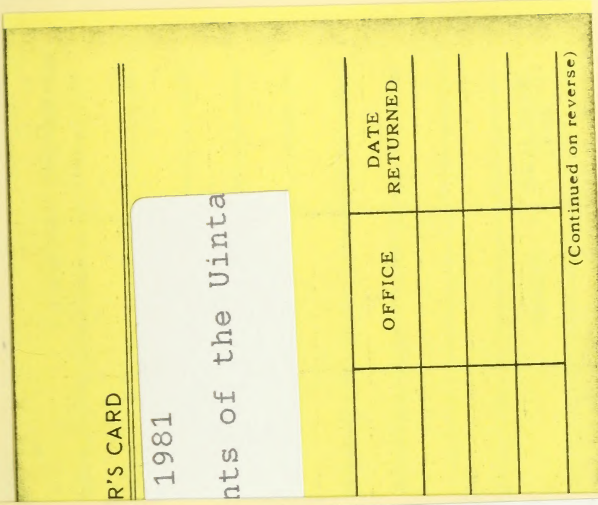

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